

U.S. Department of Commerce, Patent and Trademark Office				Atty. Docket No.		Serial No.	
				M-15247 US		10/638,237	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant(s)			
(Use several sheets if necessary)				Raymond Browning et al.			
Filing Date				Group			
August 7, 2003				2644			

APR 26 2004
PATENT & TRADEMARK OFFICE

U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Re	AA	US 3,530,244	09/22/1970	Reiffin			
Re	AB	US 4,243,839	01/06/1981	Takahashi et al.			
Re	AC	US 4,335,274	06/15/1982	Ayers			
Re	AD	US 4,573,189	02/25/1986	Hall			
Re	AE	US 5,191,618	03/02/1993	Hisey			
Re	AF	US 5,408,533	04/18/1995	Reiffin			
Re	AG	US 5,542,001	07/30/1996	Reiffin			
Re	AH	US 5,588,065	12/24/1996	Tanaka et al.			
Re	AI	US 5,694,476	12/02/1997	Klippel			
Re	AJ	US 5,815,585	09/29/1998	Klippel			
Re	AK	US 6,005,952	12/21/1999	Klippel			

Foreign Patent Documents							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
Re	AQ	Bright, A., "Compensating Non-Linear Distortion in an 'Equal-Hung' Voice Coil," Audio Engineering Society, Convention Paper 5411, Presented at the 111 th Convention, New York, NY, USA, September 21-24, 2001, pp. 1-8
Re	AR	Busbridge, S.C., et al., "Crossover Systems in Digital Loudspeakers," Audio Engineering Society, Convention Paper 5305, Presented at the 110 th Convention, Amsterdam, The Netherlands, May 12-15, 2001, pp. 1-7
Re	AS	Kaoru, A. and Shogo, K., "Detection threshold for tones above 22 kHz," Audio Engineering Society, Convention Paper 5401, Presented at the 110 th Convention, Amsterdam, The Netherlands, May 12-15, 2001, pp. 1-4

Examiner	Ronn	Date Considered	3/10/08
----------	------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office				Atty. Docket No.		Serial No.	
				M-15247 US		10/638,237	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant(s)			
(Use several sheets if necessary)				Raymond Browning et al.			
				Filing Date		Group	
				August 7, 2003		2644	

U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
R R R	AA	US 6,058,195	05/02/2000	Klippel			
	AB	US 6,104,817	08/15/2000	Ding			
	AC	US 6,122,385	09/19/2000	Konno et al.			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
AK							

Foreign Patent Documents							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
R	AQ	Klippel, W., "Adaptive Nonlinear Control of Loudspeaker Systems," <i>J. Audio Eng. Soc.</i> , Vol. 46, No. 11, (1998), pp. 939-954
R	AR	Klippel, W., "Nonlinear Adaptive Controller for Loudspeakers with Current Sensor," Audio Engineering Society, Convention Paper 4864, Presented at the 106 th Convention, Munich, Germany, May 8-11, 1999, pp. 1-18
R	AS	Klippel, W., "Diagnosis and Remedy of Nonlinearities in Electrodynamical Transducers," Audio Engineering Society, Convention Paper 5261, Presented at the 109 th Convention, Los Angeles, CA, USA, September 22-25, 2000, pp. 1-48

Examiner	Ram S.H.	Date Considered	3/10/06
----------	----------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office				Atty. Docket No.		Serial No.	
				M-15247 US		10/638,237	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant(s)			
				Raymond Browning et al.			
Filing Date				Group			
August 7, 2003				2644			

U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
R _e	AQ	Klippel, W., "Fast and Accurate Measurement of Linear Transducer Parameters," Audio Engineering Society, Convention Paper 5308, Presented at the 110 th Convention, Amsterdam, The Netherlands, May 12-15, 2001, pp. 1-8
R _y	AR	Klippel, W., "Speaker Auralization – Subjective Evaluation of Nonlinear Distortion," Audio Engineering Society, Convention Paper 5310, Presented at the 110 th Convention, Amsterdam, The Netherlands, May 12-15, 2001, pp. 1-8
R _i	AS	Klippel, W., "Prediction of Speaker Performance at High Amplitudes," Audio Engineering Society, Convention Paper 5418, Presented at the 111 th Convention, New York, NY, USA, September 21-24, 2001, pp. 1-14

Examiner	Ram M	Date Considered	3/10/06
----------	-------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office				Atty. Docket No.		Serial No.		
				M-15247 US		10/638,237		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant(s)				
				Raymond Browning et al.				
APR 26 2004 U.S. PATENT & TRADEMARK OFFICE				Filing Date		Group		
				August 7, 2003		2644		
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA							
	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
Re	AQ	Klippel GmbH, Klippel Analyzer System, Introductory Report, Large Signal Identification (LSI), HTML Report, July 5, 2002, pp. 1-17						
Re	AR	Mazin, V., "Modeling of Magnetic Hysteresis and its Influence on Harmonic Distortion in Electrodynamical Loudspeakers," Audio Engineering Society, Convention Paper 4865, Presented at the 106 th Convention, Munich, Germany, May 8-11, 1999, pp. 1-16						
Re	AS	Mihelich, R., "Loudspeaker Nonlinear Parameter Estimation: An Optimized Method," Audio Engineering Society, Convention Paper 5419, Presented at the 111 th Convention, New York, NY, USA, September 21-24, 2001, 1 p. (Abstract)						
Examiner		Date Considered						
Ran		3/10/06						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

U.S. Department of Commerce, Patent and Trademark Office				Atty. Docket No.		Serial No.	
				M-15247 US		10/638,237	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant(s)			
(Use several sheets if necessary)				Raymond Browning et al.			
				Filing Date		Group	
				August 7, 2003		2644	

U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
R	AQ	Schurer, H., et al., "Theoretical and Experimental Comparison of Three Methods for Compensation of Electrodynamic Transducer Nonlinearity," <i>J. Audio Eng. Soc.</i> , Vol. 46, No. 9, September 1998, pp. 723-739
R	AR	Suykens, J., et al., "Feedback Linearization of Nonlinear Distortion in Electrodynamic Loudspeakers," <i>J. Audio Eng. Soc.</i> , Vol. 43, No. 9, September 1995, pp. 690-694
R	AS	Teixeira, V., et al., "Study of loudspeaker electromechanical nonlinearities and their compensation," Presented at the International Conference on Signal Processing Applications and Technology (ICSPAT), Boston, Massachusetts, USA, October 7-10, 1996, pp. 321-325

Examiner	Ram JH	Date Considered	3/10/06
----------	--------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office					Atty. Docket No.		Serial No.	
					M-15247 US		10/638,237	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicant(s)			
(Use several sheets if necessary)					Raymond Browning et al.			
					Filing Date		Group	
					August 7, 2003		2644	

U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
R	AQ	Thiele, N., "Loudspeaker Crossovers With Notched Responses," Audio Engineering Society Convention, Convention Paper 5419, Presented at the 108 th Convention, Paris, France, February 19-22, 2000, pp. 1-21
R	AR	Thiele, N., "Phase Considerations in Loudspeaker Systems," Audio Engineering Society, Convention Paper 5307, Presented at the 110 th Convention, Amsterdam, The Netherlands, May 12-15, 2001, pp.1-13
	AS	

Examiner	Ram Ch	Date Considered	3/10/07
----------	--------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.